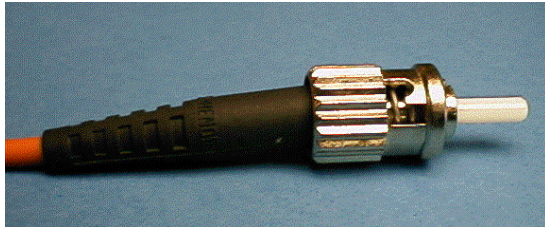
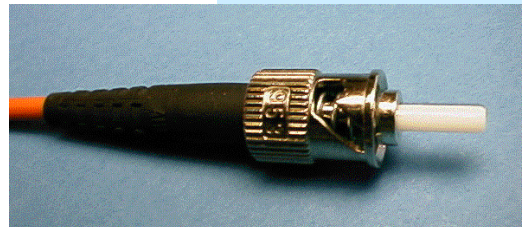


## Singlemode & Multimode Connectors

### ST I



### ST II



MAIN CHARACTERISTICS

The materials used and the precision of the machining makes this product having an excellent mechanical and thermal stability.

## Technical description

- Typical insertion loss :
  - Singlemode fiber : 0,3 dB at 1300 nm and 1550 nm
  - Multimode fiber : 0,3 dB
- Typical back reflection (singlemode fiber) :
  - < - 30 dB
- Reproductibility :  $\pm 0,1$  dB
- Durability : 500 mating/unmating cycles
- Cable retention by crimping :  $\geq 10$  daN ( $\varnothing 3$  mm)
- Operating temperature :  $-20^{\circ}\text{C}$ ,  $+70^{\circ}\text{C}$
- Connector materials :
  - Metal body
  - Zirconium ceramic ferrule
- Connector indexing
- Spring loaded connector for physical contact butt coupling
- Termination by epoxy polish with polishing machines
- Termination by epoxy polish with field tool kit in 5 minutes

## Features

The Amphenol Socapex metallic ST connector applies to high performances specifications.

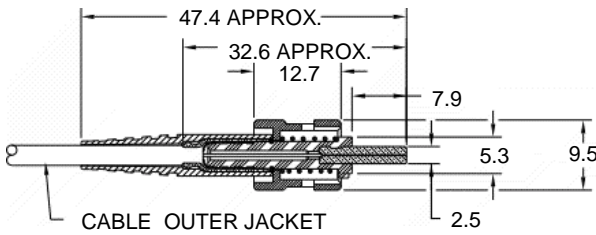
## Applications

- Telecommunication and videocommunication networks
- Computer and industrial local area networks
- FDDI or Fiber Channel networks
- Home automation
- Sensors, process control, instrumentation

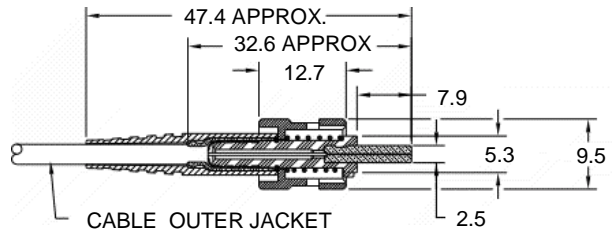
**Amphenol**

## Line Drawings (dimensions in mm)

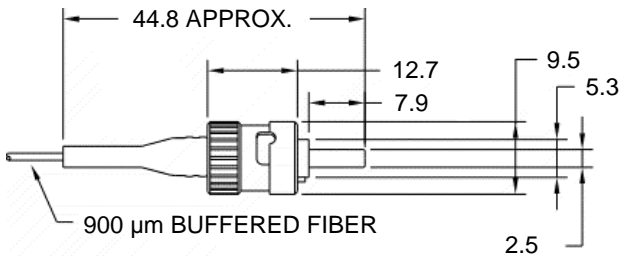
**ST I CONNECTOR FOR 2,8mm CABLE**



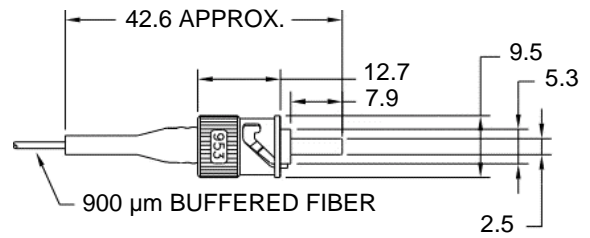
**ST II CONNECTOR FOR 2,8mm CABLE**



**ST I CONNECTOR FOR 900µm BUFFERED FIBER**



**ST II CONNECTOR FOR 900µm BUFFERED FIBER**



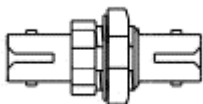
## How to order :

Multimode / Single mode	Part number	Body	Boot 900 µm	Boot 3 mm	Crimp ferrule	Ceramic Ferrule (µm)	Packaging	Type *
Multimode	953-101-5118F09BP	×	×			127	1000	I
Multimode	953-101-5118F30BP	×		×	×	127	1000	I
Multimode	953-101-5118F39BP	×	×	×	×	127	1000	I
Multimode	953-101-5118	×	×	×	×	128	100	II
Multimode	953-101-5310	×	×	×	×	128	1	II
Singlemode	953-101-5306F09BP	×	×			126	1000	I
Singlemode	953-101-5306F30BP	×		×	×	126	1000	I
Singlemode	953-101-5306F39BP	×	×	×	×	126	1000	II
Singlemode	953-101-5306	×	×	×	×	126	1	II

\* : type I for ST I, type II for ST II

## ST adapters (for more details, see on adapters data sheet)

**ST-ST ADAPTER**



**SC-ST ADAPTER**



ST and ST II are registered trademarks of AT&T

**Amphenol**

**Amphenol Socapex** Promenade de l'Arve - B.P.29 - 74311 THYEZ - FRANCE - Tel. :33 (0) 4 50 89 28 53 - Fax : 33 (0) 4 50 89 28 23

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